

JOB SHEET JS2-3-94
REQUEST/DISPLAY MULTIPLE WINDOW PRODUCTS
FOR SAME LOCATION

INTRODUCTION

Most products are generated with their center point being the RDA location. A window product is a geographic product that may be generated with its center point at any location. Resolution for most products is a function of range (lower resolution for greater range). However, the highest radar resolution is maintained for a window product regardless of range within 124 nm. Window products include:

1. Severe Weather Analysis Reflectivity (SWR) - 0.54 nm resolution.
2. Severe Weather Analysis Velocity (SWV) - 0.13 nm resolution,
3. Severe Weather Analysis Spectrum Width (SWW) - 0.13 nm resolution,
4. Severe Weather Analysis Radial Shear (SWS) - 0.13 nm input data but a 0.27 nm display resolution,
5. Storm Relative Velocity Region (SRR) - 0.13 nm input data with 0.27 nm display resolution,
6. Combined Moment (CM) - 0.13 nm input data but with 0.27 nm display resolution.

Window products maintain the best radar resolution possible for Base Products regardless of range. Thus, window products generated for Base Products provide the best resolution possible for interpretation.

Window products are generated for Base Products using the Graphic Tablet boxes: SWR for reflectivity, SWV for velocity, and SWW for spectrum width.

This Job Sheet illustrates how to generate a window product for Base Velocity at its lowest elevation angle. This window product has a 0.13 nm resolution at any selected location within 124 nm from the RDA.

OBJECTIVE

Using the Graphic Tablet, you will be able to request and display a Base Velocity window product for its lowest elevation angle.

REFERENCES

NWS EHB 6-531-1, USERS GUIDE: PUP/RPGOP, Section 4.5.3

PROCEDURE

Graphic Tablet

1. Select a storm center point between 32 nm and 124 nm using the cursor.
 - You may wish to display a Base Velocity product to help you decide which location to choose.
3. Select AZRAN SELECT.
4. Select SWA VEL (the window product box for Base Velocity).
5. Select DEFAULT PARAMETERS.
 - Default parameters include:

Elevation	The last selected elevation angle for a window product.
Storm motion	The STI nearest the selected location if within 32 nm. Otherwise, storm motion is considered 0, 0,0.
 - Other parameter values may be entered if you wish.
6. Select LOWEST ELEVATION.
 - The default elevation angle may not be the lowest angle. This step ensures the SWV is generated for the lowest elevation angle.
7. Select ALL/ONE SWA and ensure "ONE" is highlighted.

8. Select SEND RPG REQ.
 - When the product has been generated, a note to that effect appears on the status (feedback) line and the product is stored in the data base for display at your convenience.
 - Note that if you leave a screen blank, the product displays on the screen when received from the RPG. However it is a better use of time to view other product while waiting for the product.
9. Select SWA VEL after the product has been generated.
 - This step displays the window product.

END